

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-8. (canceled)

9. (original) An antibody or antibody fragment having specific binding affinity to a phosphatase polypeptide or to a domain of said polypeptide, wherein said polypeptide comprises an amino acid set forth in SEQ ID NO:2.

10. (original) A hybridoma which produces the antibody of Claim 9.

11. (currently amended) A kit comprising (i) an antibody, which binds to a polypeptide, ~~of claim 6~~ wherein the polypeptide comprises either

(a) an amino acid sequence that has at least about 90% identical to a sequence depicted in SEQ ID NO:2; or

(b) an amino acid sequence depicted in SEQ ID NO:2; except that the polypeptide lacks one or more, but not all, of the domains selected from the group consisting of an N terminal domain, a C terminal catalytic domain, a catalytic domain, a C terminal domain, a coiled coil structure region, a proline rich region, a spacer region and a c terminal tail,

and a (ii) negative control antibody.

12.-32. (canceled)